Claims

- [c1] 1.An article comprising a polymeric material and a plurality of raised features formed on a surface thereof, said raised features comprising said polymeric material.
- [c2] 2.The article according to claim 1, wherein said raised features have a shape selected from the group consisting of ridges and islands.
- [c3] 3.The article according to claim 1, wherein a cross-sectional area of a raised feature decreases as a distance from said surface decreases.
- [c4] 4.The article according to claim 1, wherein said polymeric material comprises a material selected from the group consisting of polyethyleneterephthalate, polyacrylates, polycarbonates, silicone, epoxy resins, silicone–functionalized epoxy resins, polyesters, polyimides, polyethersulfones, polyetherimide, polyethylenenaphthalene, and mixtures thereof.
- [c5] 5.The article according to claim 1, wherein said raised features has a dimension in a range from about 5 micrometers to about 100 micrometers.
- [c6] 6.The article according to claim 1, wherein said raised features has a height in a range from about 1 micrometer to about 100 micrometers.
- [c7] 7.An article comprising a polymeric material and a plurality of raised features formed on a surface thereof; wherein said raised features comprising said polymeric material; said polymeric material comprises a material selected from the group consisting of polyethyleneterephthalate, polyacrylates, polycarbonates, silicone, epoxy resins, silicone–functionalized epoxy resins, polyesters, polyimides, polyethersulfones, polyetherimide, polyethylenenaphthalene, and mixtures thereof; said raised features have a shape selected from the group consisting of ridges and islands and have a dimension in a range from about 5 micrometers to about 100 micrometers.
- [c8]
 8. A method for making an article having a pattern of raised features on at least a surface thereof, said method comprising conducting a material through a space between two solid surfaces, at least one of said solid surfaces having a

negative image of said pattern.

- [c9] 9.The method according to claim 8, wherein said conducting comprises extruding through said space.
- [c10] 10.The method according to claim 8, wherein said material is conducting through a gap between two counter-rotating cylindrical rollers and surfaces of said rollers comprise said two solid surfaces.
- [c11] 11.The method according to claim 8, further comprising ablating a portion of each of said raised features near said surface.
- [c12] 12.A method for making an article having a pattern of raised features on at least a surface thereof, said method comprising the steps of: providing a polymeric film on a supply roll; conducting said polymeric film through a space between two solid surfaces, at least one of said solid surfaces having a negative image of said pattern, thereby forming said pattern of said raised features on said film; and winding said film having said raised features on a take-up roll.
- [c13] 13.The method according to claim 12, further comprising the steps of:
 depositing an unpolymerized material on a surface said film before conducting
 said film having said unpolymerized material thereon through said space, said
 deposited unpolymerized material facing said surface having said negative
 image; and polymerizing substantially completely said unpolymerized material.
- [c14] 14. The method according to claim 13, wherein said polymerizing is carried out by a method selected from the group consisting of irradiating, heating, catalyzing, and combinations thereof.
- [c15] 15.The method according to claim 13, wherein said unpolymerized material comprises at least a monomer.
- [c16] 16.The method according to claim 15, wherein said monomer is an ultraviolet radiation-curable acrylate monomer.
- [c17]
 17.The method according to claim 15, wherein said monomer is selected from

the group consisting of methyl methacrylate, ethyl acrylate, 2-hydroxyethyl acrylate, hydroxypropyl acrylate, and mixture thereof, and said polymemizing is carried out by irradiating with an ultraviolet light source.

- [c18] 18. The method according to claim 13, wherein said unpolymerized material comprises at least a monomer and a polymerization initiator.
- [c19] 19.The method according to claim 18, wherein said unpolymerized material comprises dimethyl terephthalate and ethylene glycol and said polymerization initiator is sodium methoxide.
- [c20] 20.A light-emitting device comprising:

 a substrate having a plurality of raised features on a surface thereof; and

 a plurality of light-emitting elements, each of which is disposed on one of said raised features.
- [c21] 21.The light-emitting device according to claim 20, wherein said substrate comprises a substantially transparent polymeric material.
- [c22] 22.The light emitting device according to claim 20, wherein each of said lightemitting elements comprises a layer of an organic electroluminescent material
 sandwiched between two electrically conducting layers.
- [c23] 23.The light emitting device according to claim 20, wherein said organic electroluminescent material is capable of emitting light having a first wavelength range when a voltage is applied across said electrically conducting layers.
- [c24] 24.The light emitting device according to claim 20, wherein each of said light-emitting elements further comprises a layer of a photoluminescent material that is capable of absorbing a portion of light emitting by said organic electroluminescent material and emitting light having a different wavelength range.